

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	5	("5343970"   "5713814"   "5910722"   "6209672"   "6364434").PN. OR ("6798165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 19:40
L9	452	(307/10.7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/21 20:04
L10	0	L9 and (proportional\$integral PID)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 19:41
L11	0	L9 and (proportion\$4 adj integral PID)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 19:42
L12	45	L9 and (proportion\$4 PID)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 19:47
L13	639	(320/134).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/21 19:47
L14	1515	((320/134) or (320/132) or (320/149)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/21 19:48
L15	596	L14 and (vehicle car motor power\$train engine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 19:50

## EAST Search History

L16	1144	(307/9.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/21 20:04
L17	34	L16 and (discharg\$4 with (limit level point))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 20:05
L18	71	L16 and (charg\$4 with (limit level point))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 20:06
L19	5	L18 and (measur\$4 monitor\$4 calculat\$4 estimat\$4 comput\$4) with (error fault inaccura\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/21 20:07
S1	14	((("5285111") or ("5343970") or ("5637987") or ("6208034") or ("6269290") or ("6364807"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 21:14
S2	671	(320/132).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 21:15
S3	80	S2 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:15
S4	71	S3 and power and discharg\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:16
S5	14572	("320").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/18 18:00

## EAST Search History

S6	1730	S5 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 18:02
S7	1476	S6 and battery.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 18:02
S8	215	S7 and (measur\$6 monitor\$4).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 18:07
S9	3354520	S7 (comput\$4 calculat\$4 estimat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 18:06
S10	458	S7 and (comput\$4 calculat\$4 estimat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 18:06
S11	343	S10 and (measur\$6 monitor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 19:20
S12	268	S10 and (measur\$6 monitor\$4) with (discharg\$4 charg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/18 19:21

## EAST Search History

S13	27	(US-20020153864-\$ or US-20030210014-\$ or US-20040027091-\$ or US-20030025481-\$ or US-20030025479-\$ or US-20020070711-\$).did. or (US-6727708-\$ or US-6608482-\$ or US-6583592-\$ or US-6534954-\$ or US-6456041-\$ or US-6344732-\$ or US-6285162-\$ or US-6232748-\$ or US-6232744-\$ or US-6225784-\$ or US-6160380-\$ or US-5869951-\$ or US-6445160-\$ or US-6331762-\$ or US-6215277-\$ or US-6204636-\$ or US-6710575-\$ or US-5952813-\$ or US-5686812-\$ or US-5939861-\$ or US-5696367-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/04/20 17:53
S14	15	S13 and (loop error)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 17:53
S15	14577	("320").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/20 18:01
S16	1730	S15 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 18:01
S17	1476	S16 and battery.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 18:01
S18	12	S17 and error and (clos\$4 adj loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:21
S19	3	("5910722"   "5931757"   "6449537").PN. OR ("6946818"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 18:13

## EAST Search History

S20	32	(US-20020153864-\$ or US-20030210014-\$ or US-20030025481-\$ or US-20030025479-\$ or US-20050077867-\$ or US-20040027091-\$ or US-20020070711-\$).did. or (US-6727708-\$ or US-6583592-\$ or US-6608482-\$ or US-6534954-\$ or US-6456041-\$ or US-6344732-\$ or US-6285162-\$ or US-6232744-\$ or US-6225784-\$ or US-6232748-\$ or US-6160380-\$ or US-5869951-\$ or US-6866107-\$ or US-6445160-\$ or US-6727670-\$ or US-6331762-\$ or US-6215277-\$ or US-6204636-\$ or US-6946818-\$ or US-6710575-\$ or US-5952813-\$ or US-5939861-\$ or US-5686812-\$ or US-5696367-\$ or US-6798165-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/04/23 16:29
S21	1	S20 and (noise sound) and filter	US-PGPUB; USPAT	OR	ON	2006/04/23 16:31
S22	671	(320/132).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/23 16:31
S23	52	S22 and (noise sound) and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/23 16:31
S24	80	S22 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/23 16:31
S25	71	S24 and power and discharg\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/23 16:31
S26	6	S25 and (noise sound) and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/23 16:42

## EAST Search History

S27	14577	("320").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 21:18
S28	1730	S27 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:19
S29	1476	S28 and battery.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:19
S30	458	S29 and (comput\$4 calculat\$4 estimat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:19
S31	23	S30 and (noise sound) and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:20
S32	1	("20060014125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 18:11
S33	1	("20060022642").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/26 18:11
S34	14	((("5285111") or ("5343970") or ("5637987") or ("6208034") or ("6269290") or ("6364807"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 21:14
S35	730	(320/132).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 21:15
S36	83	S35 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:15

## EAST Search History

S37	74	S36 and power and discharg\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:16
S38	15168	("320").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/20 21:18
S39	1795	S38 and (vehicle automobile motor car).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:19
S40	1574	S39 and (battery cell module).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:19
S41	825	S40 and (comput\$4 calculat\$4 estimat\$4 measur\$4 monitor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:20
S42	38	S41 and (noise sound) and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:20
S43	21	S41 and (error inaccura\$4 fault) and (clos\$4 adj loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:26
S44	11	S43 and (sum total)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 21:29
S45	8	S43 and (multipl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 22:00

## EAST Search History

S46	1	(power\$train and ((measur\$4 estimat\$4 monitor\$4 comput\$4) with (current and voltage and (error fault inaccura\$4))) and (limit point) and (multiply multiplied multiplying)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 22:05
S47	8	((vehicle car motor engine) and ((measur\$4 estimat\$4 monitor\$4 comput\$4) with (current and voltage and (error fault inaccura\$4))) and (limit point) and (multiply multiplied multiplying)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 22:06
S48	1	(power\$train and ((measur\$4 estimat\$4 monitor\$4 comput\$4) with (current and voltage and (error fault inaccura\$4))) and (limit point level) and (multiply multiplied multiplying)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/21 16:01
S50	1	((dis\$charg\$ with (limit level point)) and (vehicle motor engine motor power\$train) and ((measur\$4 monitor\$4 calculat\$4 monitor\$4 estimat\$4) with (current and voltage and (error fault inaccuar\$4))) and (multiplied multiply multiplying)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 17:34
S51	8	((dis\$charg\$ with (limit level point)) and (vehicle motor engine motor power\$train) and ((measur\$4 monitor\$4 calculat\$4 monitor\$4 estimat\$4) with (current and voltage and (error fault inaccuar\$4))))).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 17:37
S52	8	((charg\$ with (limit level point)) and (vehicle motor engine motor power\$train) and ((measur\$4 monitor\$4 calculat\$4 monitor\$4 estimat\$4) with (current and voltage and (error fault inaccuar\$4))))).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 17:37
S53	8	((charg\$4 with (limit level point)) and (vehicle motor engine motor power\$train) and ((measur\$4 monitor\$4 calculat\$4 monitor\$4 estimat\$4) with (current and voltage and (error fault inaccuar\$4))))).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 17:46



## EAST Search History

S54	2	((controller micro\$controller micro\$process\$4 micro\$computer cpu) with (battery cell module) and (vehicle car) and (proportional\$integral)) and (compar\$4) and (limit level point) and (motor engine)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 18:08
S55	118	((controller micro\$controller micro\$process\$4 micro\$computer cpu) with (battery cell module) and (vehicle car)) and (compar\$4 amplif\$4 op\$amp) and (limit level point) and (motor engine)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 18:02
S56	4	S55 and (proportional\$integral PID) with (controller micro\$controller micro\$processor micro\$computer cpu)	US-PGPUB; USPAT	OR	ON	2006/11/21 18:07
S57	2	((controller micro\$controller micro\$process\$4 micro\$computer cpu) with (battery cell module) and (vehicle car) and (proportional\$integral PID)) and (compar\$4) and (limit level point) and (motor engine)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/21 18:09
S58	18	("20030088343"   "5569999"   "5635805"   "5697466"   "5713814"   "5820172"   "5842534"   "5998952"   "6026921"   "6164400"   "6176808"   "6215198"   "6223106"   "6232744"   "6232748"   "6253140"   "6393350").PN. OR ("6727670").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 18:12